INDENTATION HARDNESS TEST SYSTEM

ABSTRACT OF THE DISCLOSURE

An indentation hardness test system includes a frame having a movable turret, a movable stage for receiving a part, a camera, a display, a processor and a memory subsystem. The turret includes an objective lens of a microscope and an indenter and the movable stage is configured for receiving the part to be tested. The camera captures images of the part through the microscope, which can then be provided on the display. The processor is coupled to the turret, the movable stage, the camera and the display, as well as the memory subsystem. The memory subsystem stores executable code that instructs the processor to capture and store a series of real-time images of the part using the camera, store associated stage coordinates provided by the stage for the images and display a composite image, which includes the series of real-time images assembled according to the associated stage coordinates, of the part.